

File 350:Derwent WPIX 1963-2008/UD=200813

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File 347:JAPIO Dec 1976-2007/Oct(Updated 080129)

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File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

Set Items Description

- S1 41702 (TRANSIENT? ? OR ONSET? ? OR "ON")(SET OR SET? ?) OR PEAK-
???)(3N)(DETECT? OR SENS??? OR DETERMIN? OR MEASUR? OR EVALUA-
T? OR ASSESS? OR GAUG? OR COMPUTE OR COMPUTES OR COMPUTING OR
ANALY? OR CALCULAT? OR FORMULAT? OR INDICAT? OR IDENTIFY? OR
FIND? ? OR FINDING OR ESTIMAT?)
- S2 53546 FREQUENC???)(3N)(SUBBAND? ? OR SUB()BAND? ? OR RANGE? ?) OR
SUBBAND? ? OR SUB()BAND? ?
- S3 1678799 ENERGY OR INTENSITY OR STRENGTH
- S4 222553 (THRESHOLD? ? OR LEVEL)(3N)(MORE OR GREATER OR ABOVE OR HI-
GH OR HIGHER OR HIGHEST OR LARGE??? OR BIG OR BIGGER OR BIGGE-
ST)
- S5 4219745 TIME(2N)INTERVAL? ? OR TIME OR INTERVAL? ? OR PERIOD? ? OR
TIMING
- S6 73296 S3(3N)(CHANG? OR ALTER? OR MODIF? OR ADJUST? OR DIFFERENC?
OR DIFFERENT OR DISSIMILAR? OR VARIATION? ? OR VARIABLE)
- S7 535174 AUDIO OR ACOUSTIC OR SOUND
- S8 2326 AU=(HSU, C? OR HSU C?)
- S9 7 S8 AND S1
- S10 1 S9 AND (S2 OR S3)
- S11 0 S10 NOT AD=20030314:20080227/PR
- S12 713 S1 AND S2
- S13 142 S12 AND S3
- S14 15 S13 AND S4
- S15 8 S14 AND S5
- S16 1 S15 AND S6
- S17 1 S16 NOT AD=20030314:20080227/PR
- S18 7 S15 NOT S17
- S19 7 S18 NOT AD=20030314:20080227/PR
- S20 20 S13 AND S6
- S21 3 S20 AND IC=G10L?
- S22 2 S21 NOT (S19 OR S17)
- S23 2 S22 NOT AD=20030314:20080227/PR

17/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0015053866 - Drawing available

WPI ACC NO: 2005-401890/200541

Related WPI Acc No: 2002-750023

XRPX Acc No: N2005-325764

**Acoustic signal processor, e.g. for assisting hearing loss, maintains
constant energy level for frequency bands lower than frequency band of
highest energy level, and increasing amplification degree by energy
level for increasing frequency**

Patent Assignee: ADPHOX CORP (ADPH-N)

Inventor: NARUSAWA H

Patent Family (1 patents, 1 countries)

File 348:EUROPEAN PATENTS 1978-2007/ 200807

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File 349:PCT FULLTEXT 1979-2008/UB=20080131UT=20080124

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Set	Items	Description
S1	60233	(TRANSIENT? ? OR ONSET? ? OR ON() (SET OR SET? ?) OR PEAK??- ?)(3N)(DETECT? OR SENS??? OR DETERMIN? OR MEASUR? OR EVALUAT? OR ASSESS? OR GAUG? OR COMPUTE OR COMPUTES OR COMPUTING OR AN- ALY? OR CALCULAT? OR FORMULAT? OR INDICAT? OR IDENTIFY? OR F- IND? ? OR FINDING OR ESTIMAT?)
S2	66782	FREQUENC??? (3N)(SUBBAND? ? OR SUB()BAND? ? OR RANGE? ?) OR SUBBAND? ? OR SUB()BAND? ?
S3	819341	ENERGY OR INTENSITY OR STRENGTH
S4	338919	(THRESHOLD? ? OR LEVEL)(3N)(MORE OR GREATER OR ABOVE OR HI- GH OR HIGHER OR HIGHEST OR LARGE??? OR BIG OR BIGGER OR BIGGE- ST)
S5	1682604	TIME(2N)INTERVAL? ? OR TIME OR INTERVAL? ? OR PERIOD? ? OR TIMING
S6	96112	S3(3N)(CHANG? OR ALTER? OR MODIF? OR ADJUST? OR DIFFERENC? OR DIFFERENT OR DISSIMILAR? OR VARIATION? ? OR VARIABLE)
S7	236174	AUDIO OR ACOUSTIC OR SOUND
S8	410	AU=(HSU, C? OR HSU C?)
S9	11	S8 AND S1
S10	0	S9(S)S2
S11	858	S1(S)S2
S12	77	S11(S)S4
S13	46	S12(S)S5
S14	4	S13(S)S6
S15	2	S14 NOT AD=20030314:20080227/PR
S16	1	S15 NOT CHEMICAL
S17	5	S12 AND IC=G10L?
S18	5	S17 NOT S15
S19	3	S18 NOT AD=20030314:20080227/PR

16/3,K/1 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00302200 **Image available**

**MEASURING AND ASSESSING CARDIAC ELECTRICAL STABILITY
PROCEDE ET APPAREIL AMELIORES D'EVALUATION DE LA STABILITE
ELECTRIQUE
CARDIAQUE**

Patent Applicant/Assignee:
CAMBRIDGE HEART INC,

Inventor(s):
ARNOLD Jeffrey,
ALBRECHT Paul,
LIBRETT Kevin S,
COHEN Richard J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9520351 A1 19950803

Application: WO 95US1072 19950126 (PCT/WO US9501072)

Priority Application: US 94187275 19940126; US 94339050 19941114; US

File 2:INSPEC 1898-2008/Jan W4
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File 6:NTIS 1964-2008/Mar W2
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File 8:Ei Compendex(R) 1884-2008/Feb W3
(c) 2008 Elsevier Eng. Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2008/Feb W4
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(c) 2008 CSA.
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File 65:Inside Conferences 1993-2008/Feb 26
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File 95:TEME-Technology & Management 1989-2008/Feb W2
(c) 2008 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2008/Jan
(c) 2008 The HW Wilson Co.
File 144:Pascal 1973-2008/Feb W3
(c) 2008 INIST/CNRS
File 239:Mathsci 1940-2008/Feb
(c) 2008 American Mathematical Society
File 256:TecInfoSource 82-2008/Mar
(c) 2008 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2008/Feb 26
(c) 2008 ProQuest Info&Learning

Set Items Description

S1 149759 (TRANSIENT? ? OR TRANSIENCE)(3N)(DETECT? OR SENS??? OR DET-
ERMIN? OR MEASUR? OR EVALUAT? OR ASSESS? OR GAUG? OR COMPUTE -
OR COMPUTES OR COMPUTING OR ANALY? OR CALCULAT? OR FORMULAT?
OR INDICAT? OR IDENTIFY? OR FIND? ? OR FINDING OR ESTIMAT?)
S2 51208 FREQUENC??? (3N)(SUBBAND? ? OR SUB()BAND? ?) OR SUBBAND? ?
OR SUB()BAND? ?
S3 7606504 ENERGY OR INTENSITY OR STRENGTH
S4 911919 S3(3N)(MORE OR GREATER OR MOST OR HIGH OR HIGHER OR HIGHEST
OR LARGE??? OR BIG OR BIGGER OR BIGGEST)
S5 3286669 TIME(2N)INTERVAL? ? OR INTERVAL? ? OR PERIOD? ? OR TIMING
S6 284842 S3(3N)(CHANG??? OR DIFFERENC? OR DIFFERENT OR DISSIMILAR? -
OR VARIATION? ?)
S7 1149425 AUDIO OR ACOUSTIC OR SOUND
S8 17686 AU=(HSU, C? OR HSU C?)
S9 96 S8 AND S1
S10 0 S9 AND S2
S11 0 S9 AND S4
S12 156 S1 AND S2
S13 2 S12 AND S4
S14 0 S13 NOT PY=>2004

S15 6 S12 AND S5
 S16 1 S15 AND S6
 S17 0 S16 NOT PY=>2004
 S18 3 S15 NOT PY=>2004
 S19 1 RD (unique items)
 S20 59 S12 AND S3
 S21 1 S20 AND S5
 S22 1 S21 NOT S19
 S23 0 S22 NOT PY=>2004

19/9,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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04956225 INSPEC Abstract Number: B91058143

Title: Segmented processing of electromagnetic pulse test data

Author(s): Donohoe, J.P.

Author Affiliation: Dept. of Electr. Eng., Mississippi State Univ., MS, USA

Conference Title: SOUTHEASTCON '90. Proceedings (Cat. No.90CH2883-7) p.239-44 vol.1

Publisher: IEEE, New York, NY, USA

Publication Date: 1990 Country of Publication: USA 3 vol. (x+x+x+1126) pp.

Conference Sponsor: IEEE; South Central Bell; Northern Telecom.; AT&T; et al

Conference Date: 1-4 April 1990 Conference Location: New Orleans, LA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: A noise suppression technique that is based on the segmentation of data in both the **time** and frequency domains is evaluated. The segmented processing technique is based on the intrinsic behavior of electromagnetic pulse (EMP) **transients**. The experimentally measured data is first subdivided in the **frequency** domain into $N/\text{sub } s/$ **subbands** or, frequency segments, yielding $N/\text{sub } s/$ time-domain functions through the inverse Fourier transformation of each frequency segment. These time-domain functions may contain **intervals** over which noise predominates. The regions containing only noise can be eliminated by defining a subinterval of time, or time segment, for each time-domain function. The frequency-domain data can then be reconstructed through the superposition of the Fourier transforms of the time segments. The final result is a frequency-domain representation of the original signal with a lower overall noise level. The segmented processing technique is shown to significantly reduce spectral noise in typical EMP signals consisting of multiple damped sinusoids plus noise. (2 Refs)

Subfile: B

Descriptors: electromagnetic pulse; frequency-domain analysis; interference suppression; signal processing; time-domain analysis

Identifiers: spectral noise reduction; electromagnetic pulse test data; noise suppression; segmented processing; **transients**; frequency domain; **subbands**; frequency segments; time-domain functions; inverse Fourier transformation; Fourier transforms; time segments; noise level; EMP signals; multiple damped sinusoids

Class Codes: B6140 (Signal processing and detection); B5230 (Electromagnetic compatibility and interference)